



US Army Engineering & Support Center
Huntsville, Alabama

Ordnance & Explosives Innovative Technology Program

PROJECT: Magnetic Scrap Collector

TEAM MEMBER: Air Force Robotics Laboratory, Robotics Division

PROJECT DESCRIPTION: This project is testing the ability of an electromagnet mounted on a buggy and hopper system to pick up ferrous scrap and fragments from the ground surface.



AFRL/COE Magnetic Scrap Collector

This system contains a large electromagnet that can recover ferrous items and automatically place the items into an on-board hopper. The system can be pulled by either a manned or remotely operated vehicle.

POTENTIAL TECHNOLOGY APPLICATIONS: Magnetic scrap collection technology may be a viable method for surface clearing ferrous scrap and frag. It may also be useful for clearing sites of inert surface munitions.

FUTURE WORK: Proveout tests are anticipated in FY06.

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